



IATA Fuel Efficiency Program





IATA Fuel Efficiency Program

The program was launched by IATA in 2004 in response to the rising price of fuel. It is focused on supporting the airlines to increase fuel efficiency in their operations and reduce CO₂ emissions. Initially, the program included only the IATA Fuel on-site airline assessment and now has expanded to a total of seven areas of activity. So far the program supported the industry to identify more than 15 million tonnes of CO₂ annual emission reduction equivalent to more than USD \$3.8 billion annually.

The IATA Fuel efficiency program is a cornerstone for IATA supporting the industry to achieve the Carbon Neutral Growth target by 2020.



IATA Fuel Efficiency Program

- Program launched by IATA in 2004 due to increasing fuel prices
- Started with fuel efficiency airline assessment and now expanded to 7 areas of support
- So far the program has identified potential annual savings of more than US\$3.8 billion equivalent to more than 15 million tonnes of CO₂ emissions reduction annually
- More than 100 airlines assessed on-site and 200+ airlines supported in the last years constitute the validation of our industry recognized best practices



IATA Fuel Efficiency Program





IATA Fuel Efficiency Best Practices and Fuel Program Implementation Guidance Material

The “IATA Fuel Book” is the main operational guidance material developed from the results and experience of more than 100 airline fuel efficiency assessments. The book also highlights the quick wins an airline could implement to save fuel and reduce CO₂ emissions.

The IATA Fuel Program Implementation Guidance Material is an essential second step after the IATA Fuel Book and a guide for the airlines to implement effective in-house fuel efficiency programs. The IATA Fuel Program Implementation Guidance Material is the foundation of the IATA support on industry effective savings.

IATA Fuel Book

The Guidance Material and Best Practices for Fuel and Environmental Management (IATA Fuel Book) is a major part of the IATA Fuel Efficiency Program and IATA fuel emission reduction efforts since 2004.

Facts and highlights:

- Experience of more than 100 successful airline fuel assessments conducted since the launch of the program in 2004
- Provides applicable operational guidelines and helpful information to set-up and maintain an efficient fuel conservation program, including guidance on obtaining senior management support and the introduction of change management.

IATA Fuel Program Implementation Guidance Material

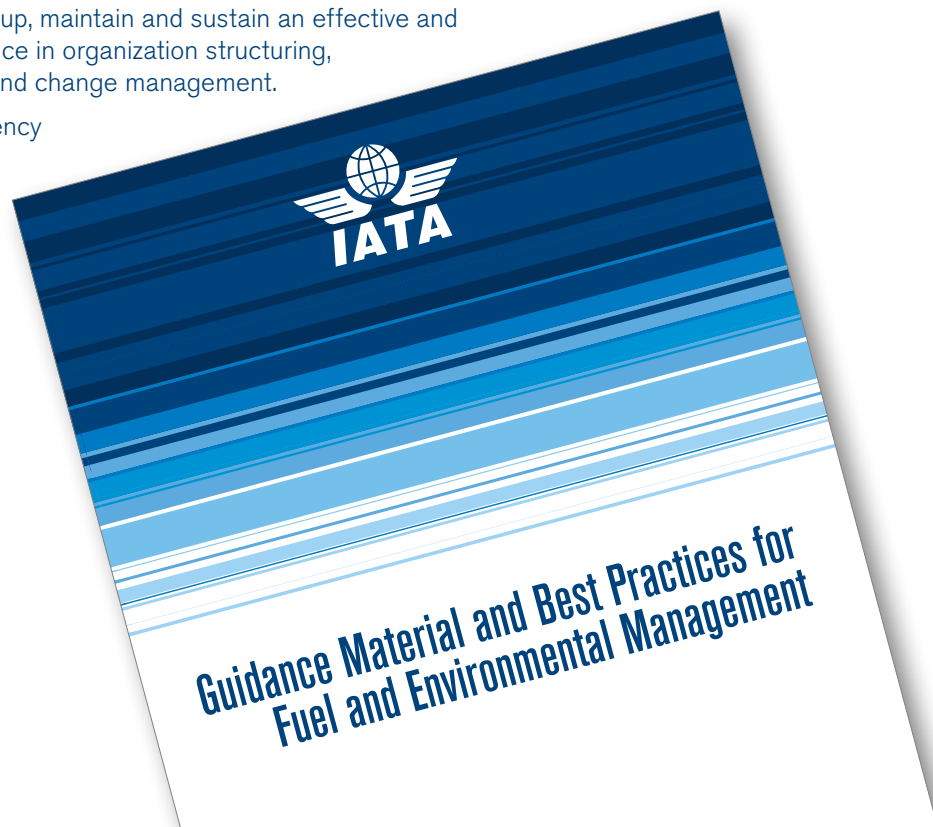
This guidance material follows the latest edition of the IATA Fuel Book and is built upon feedback from IATA's Fuel Efficiency Regional workshops.

The guidance material provides helpful steps to set-up, maintain and sustain an effective and efficient fuel conservation program including guidance in organization structuring, project management, senior management support and change management.

It is designed to structure the new airline fuel efficiency program or to validate the current airline initiatives compared with a unique industry benchmark.

Facts and highlights:

- Unparalleled industry material focus on the implementation, monitoring and control of the airline fuel efficiency program
- Identifies KPIs, data requirements and evaluation methods to ensure success
- Based on project management best practices



Additional information

The guidance material is available for purchase in the IATA online store at www.iataonline.com



IATA Fuel Efficiency Webinars and Remote Support

IATA provides remote support tailored to the specific airline needs. Conference calls, regional/local support and technical advice are provided. Webinar sessions are scheduled on a regular basis and airlines are welcomed to join and post their inquiries online to be responded by the IATA industry specialists.



What is it about?

The IATA Fuel Efficiency Webinars as part of the IATA Fuel Program remote support are interactive online sessions supported live by IATA subject matter experts that present fuel efficiency industry hot regional topics in the areas of flight operations, flight dispatch, maintenance and engineering, commercial and ground operations as well as in other current interest subjects like EU-ETS, alternative fuels and ATC management.

Who can benefit from this initiative?

- Airline Fuel Managers
- Operation Cost Control Managers
- Department representatives in flight operations, flight dispatch, maintenance and engineering, commercial and ground operations
- Managers and Specialists dealing with efficiency improvement initiatives including fuel
- Environment and government affairs airline representatives
- ATC and airport managers

What are the main benefits?

- Improve your understanding on fuel efficiency hot topics and their impact on the airline fuel management and cost control plans.
- Using interactive chat tools and conference call facilities to share experiences and best practices with other senior airline representatives and IATA subject matter experts.
- Learn the process and methodology used to tackle main fuel efficiency issues within the airline and generate concrete savings.
- Apply this knowledge in your own business and operational decisions.

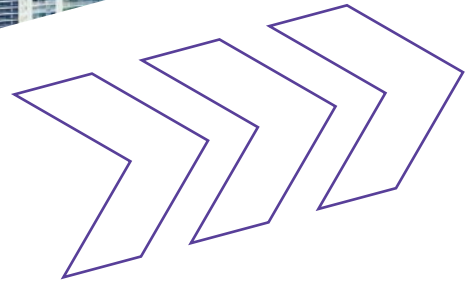
How to participate?

- The webinars are open to all airlines free of charge when enrolled in the IATA Fuel Program
- Regular sessions are scheduled worldwide as well as some support is provided to cover specific regional airline requests.



Additional information

For more information about the webinar schedule and to join the IATA Fuel Efficiency program please contact us at fuelaction@iata.org



IATA Fuel Efficiency and Conservation Training

As part of the IATA Training and Development Institute, formal classroom training in fuel efficiency is available.



What is it about?

- Recognized as one of the most important and practical courses in aviation, the IATA Training and Development Institute (ITDI) offers formal training worldwide since 2007 based on the successful IATA Fuel Efficiency Program.

Who can benefit from this initiative?

- Flight Operations Managers
- Flight Dispatchers
- Air Traffic Control and Traffic Management
- Engineering and Maintenance airline industry professionals
- Ground Operations and Ramp Control personnel
- Environment and public affairs officers

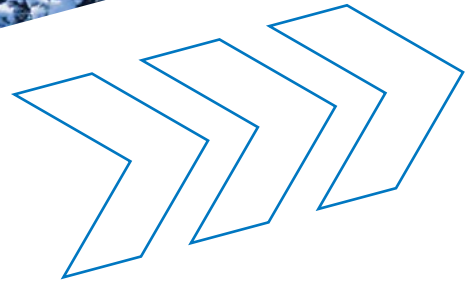
What are the main benefits?

- Measure the impact of efficient fuel management on your operation
- Improve On-Time performance while decreasing your costs
- Maximize the use of cost index optimization in your operation among other tools
- Develop a Fuel Management System to identify and track aspects of fuel consumption
- Build an environmental profile of your operation
- Build up your fuel efficiency and conservation knowledge



Additional information

For more information about the training course 'Fuel Efficiency and Conservation' please visit www.iata.org/training or contact us at fuelaction@iata.org



IATA Fuel Efficiency Program Regional Workshops

Regional and local workshops are designed to get airlines involved in the fuel efficiency program, to communicate best practices and give participant input to help set up an internal fuel program. This includes planning, monitoring and control under a project management approach, and has been ongoing since 2009 with outstanding results.



What is it about?

The IATA Fuel Efficiency Program Regional Workshops are practical sessions where the airline participants exchange their experience in various fuel efficiency topics and get concrete input from the IATA experts to develop, monitor and measure the outcome towards a concrete target. It provides guidance for operational fuel efficiency and also addresses infrastructure concerns about how the airline could take advantage and ensure effective prioritization when following the ICAO Global Air Navigation Plan.

Who can benefit from this initiative?

- Airline's Fuel Managers
- Operation Cost Control Managers
- Department representatives in flight operations, flight dispatch, maintenance and engineering, commercial and ground operations
- Managers dealing with ATC, airports and ANSPs
- Managers and Specialists dealing with fuel efficiency improvement initiatives
- Environment and Government Affairs airline representatives

What are the main benefits?

- Improve your understanding of fuel efficiency improvement & emission reduction initiatives in the areas of flight operations, flight dispatch, maintenance and engineering, commercial and ground handling, using the industry's best practices in fuel management.
- Become familiar with methodology used to identify potential savings and how to put in place a consistent fuel efficiency program.
- Learn the process about how to prepare an implementation plan including the identification of data required and tracking achieved results.
- Understand the most effective way to prepare your airline and take the most advantage of the current ICAO Global Air Navigation Plan and investment prioritization to comply with the plan.
- Exchange experience, ideas, results and challenges with other senior airline participants.

How to participate?

- The workshops are open to all airlines.
- Sessions are regularly scheduled in North America, Asia Pacific, Middle East, Africa, South America and North Asia to cover a high level of airline participation.

Contact us to confirm the upcoming sessions this year.

SHARING KNOWLEDGE AND BEST PRACTICES TO REACH CONCRETE SAVINGS

Additional information

For more information about the workshops and how to join the IATA Fuel Efficiency Community please contact your IATA SFO Regional Office representative at www.iata.org/regions or fuelaction@iata.org



IATA Fuel Efficiency Program Development and Financial Control

The IATA Fuel Efficiency Program Development and Implementation is focused on airline on site visits to identify and support the implementation of fuel savings in technical areas of the operation. The IATA Green Teams perform the airline assessment, develop an implementation plan and support the execution of the plan.

A financial dimension helps airlines closely monitor the performance of the fuel procurement processes and contracts which further streamline the overall fuel spend.



What is it about?

- Since 2004, IATA closely supports the airlines to identify and implement operational solutions and savings either on ground or in flight, reducing CO₂ emissions and increasing fuel efficiency.
- Led by subject matter experts, this on site fuel efficiency program facilitates the airlines to achieve savings in multiple areas such as flight dispatch, flight operations, maintenance & engineering, commercial and ground operations.
- IATA supports the airline to implement a structured fuel efficiency program in four core phases.

PHASE ZERO: ESTABLISH BASELINE

As a first step, IATA's experts review all operational areas to identify gaps between the airline's current procedures and industry's best practice to identify fuel saving initiatives and to establish preliminary savings targets.

PHASE ONE: ESTABLISH FUEL PROGRAM

With potential savings opportunities identified, IATA engages the airline's executive management to define a corporate fuel process, establish a fuel team and help select the implementation methodology.

PHASE TWO: PLAN IMPLEMENTATION

This phase is designed to help managing change, establish a fuel baseline and prioritize initiatives based on a benefit/effort analysis. A product of this phase is the implementation plan that will guide the next activities.

PHASE THREE: MANAGE IMPLEMENTATION

Managing the implementation includes the definition of relevant KPIs and OPMs, identify the data requirements and sources, adjusting policies and procedures and the introduction of DMAIC methodology as part of a self-sustainable process.

Complementing the fuel-efficient measures IATA helps airlines with the implementation of financial initiatives to support an holistic approach to fuel management.

STEP ZERO: FUEL UPLIFT

Comprises the continuous and systematic tracking of the amount of fuel requested by crew vs the actual amount uplifted prior to each flight. This allows for the identification of trends (crew, airport and supplier specific) that allow for the implementation of corrective measures.

STEP ONE: FUEL INVOICED

Closely monitoring the amount of fuel invoiced as compared to the actual uplift (on a flight by flight and also on a monthly aggregated basis) supports the dialogue with fuel suppliers to eliminate discrepancies.

STEP TWO: – FUEL PRICES

Being able to guarantee that the values invoiced by fuel suppliers indeed reflect the contractually agreed prices and supports harvesting the benefits of good negotiating skills in respect to prices.

Who is the targeted audience and what are the main benefits?

Airlines with a structured internal fuel efficiency program in place:

- IATA supports their internal program to maximize the fuel saving potential
- IATA provides benchmark of more than 100 airline programs implemented
- Average additional fuel savings achieved: 2%-6% of fuel budget

Airlines with no structured internal fuel efficiency program in place:

- IATA supports the airline to identify, monitor and implement concrete initiatives to reduce the fuel bill and CO₂ emissions
- On site team of subject matter experts that lead the change within the organization
- Average fuel savings achieved: up to 14% of fuel budget

How to participate?

For more information about the IATA Fuel Efficiency Program Development and Implementation please contact your IATA SFO Regional representative at www.iata.org/contact or to consultingfuel@iata.org

For further inquiries, please contact us at: fuelaction@iata.org

www.iata.org